APR 3 0 2004

Atty. Dkt. No. 045054-0158

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Hitoshi IRINO

Title:

SEMICONDUCTOR PROTECTION ELEMENT, SEMICONDUCTOR

DEVICE AND METHOD FOR MANUFACTURING SAME

Appl. No.:

10/796,999

Filing Date:

03/11/2004

Examiner:

Unassigned

Art Unit:

Unassigned

TRANSMITTAL OF FORMAL DRAWINGS

Commissioner for Patents PO Box 1450 Alexandria, Virginia 22313-1450

ATTENTION: DRAWING REVIEW BRANCH

Sir:

Transmitted herewith are the formal drawings (16 sheets, Figures 1-2, 3A-3B, 4A-4B, 5-28, 29A-29B) for the above-identified application. The Official Draftsperson is respectfully requested to approve these drawings for entry into the application.

Respectfully submitted,

David A. Blumenthal

Attorney for Applicant

Registration No. 26,257

Thomas D. Belockan 43438

Date: April 30, 2004

FOLEY & LARDNER LLP Customer Number: 22428 Telephone: (202) 672-5407

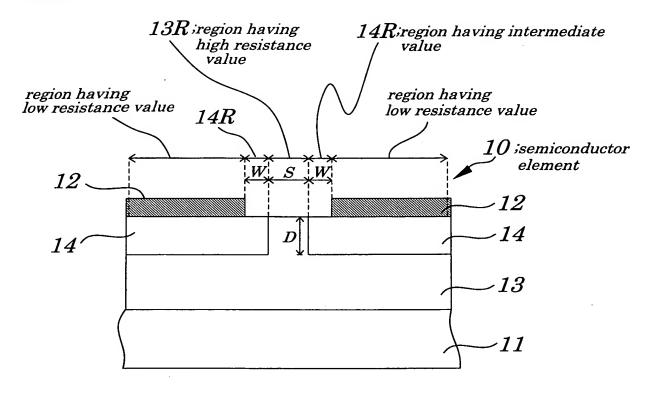
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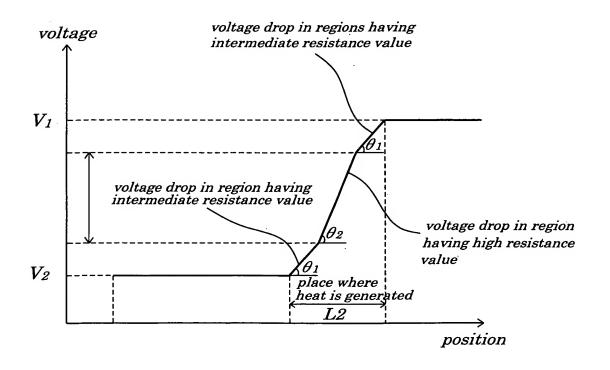
(202) 672-5399

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FIG.1





Title: SEMICONDUCTOR PROTECTION ELEMENT, SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING SAME Inventor(s): Hitoshi IRINO

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FIG.3A (PRIOR ART)

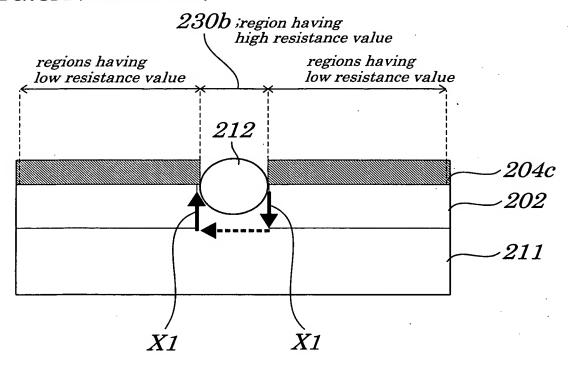
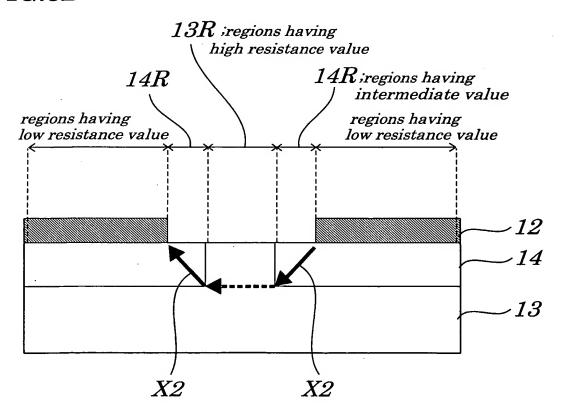


FIG.3B



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FIG.4A

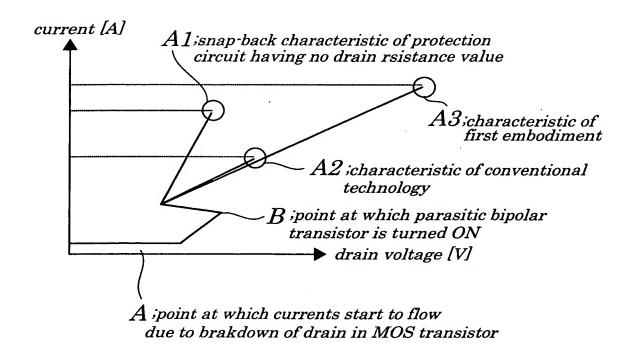
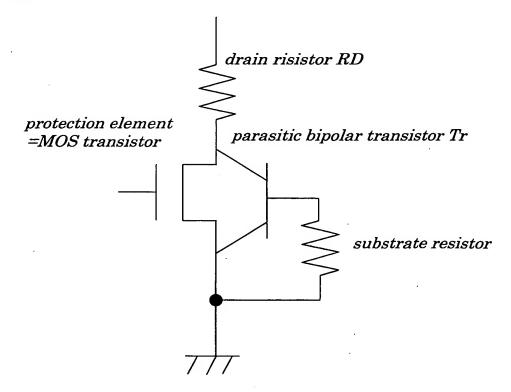
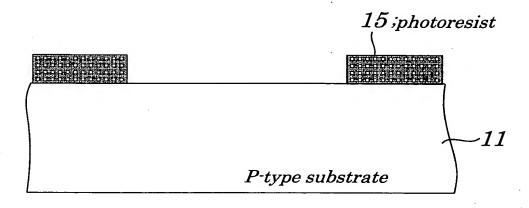


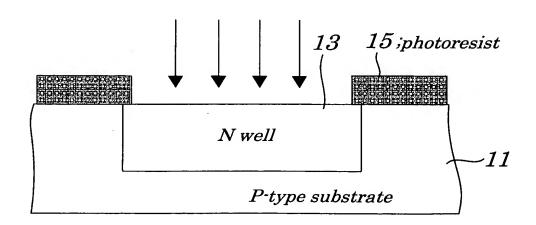
FIG.4B



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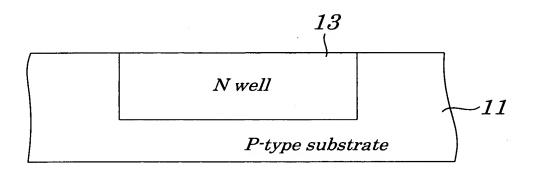
FIG.5

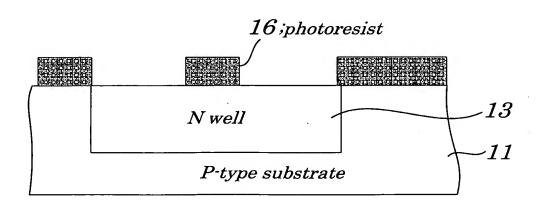




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FIG.7





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FIG.9

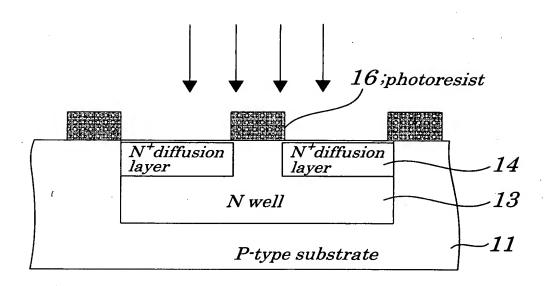
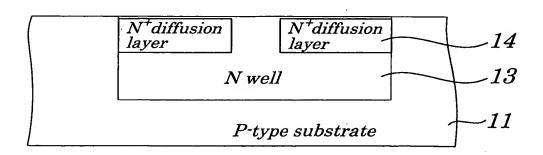
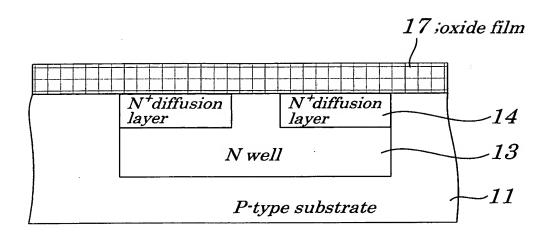


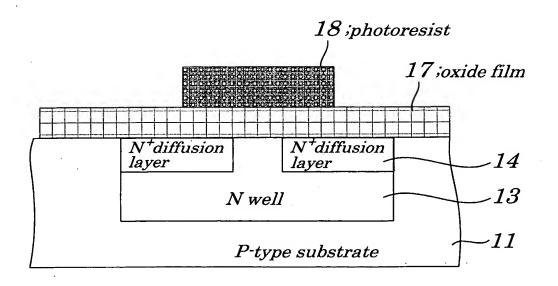
FIG.10



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FIG.11





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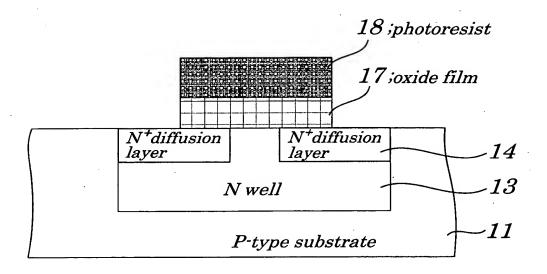
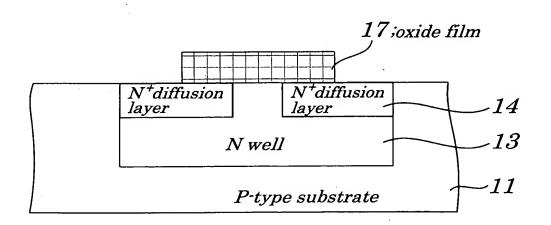


FIG.14



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FIG.15

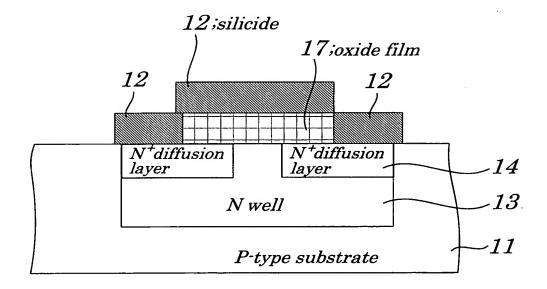


FIG.16

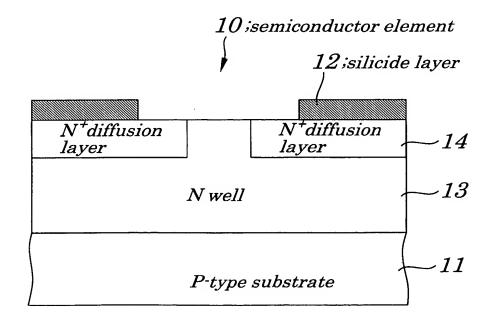


FIG.17

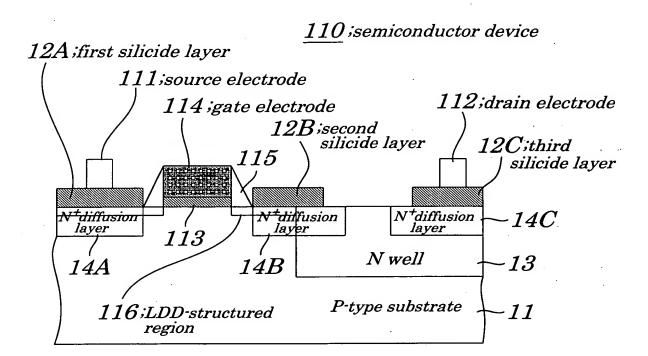
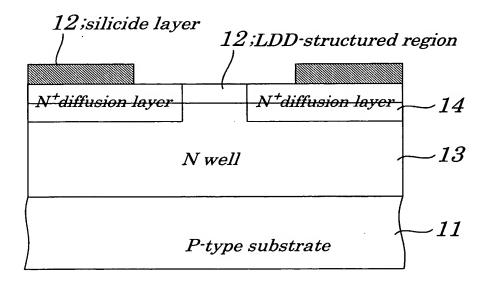


FIG.18

20; semiconductor element



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FIG.19

120; semiconductor device

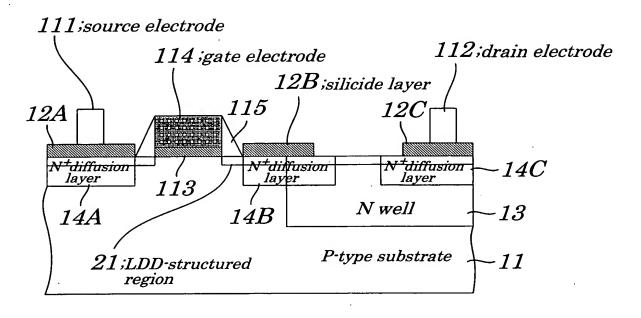


FIG.20

30; semiconductor element

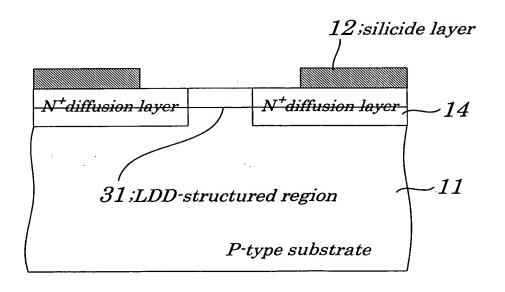


FIG.21

130; semiconductor device

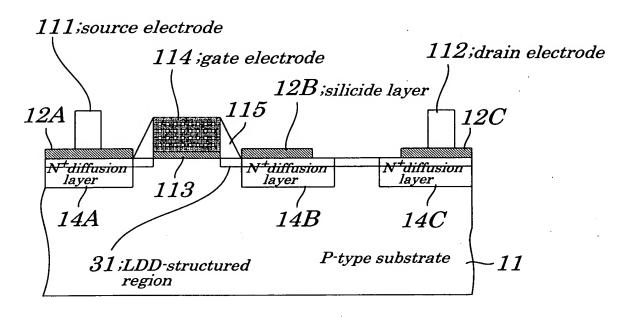
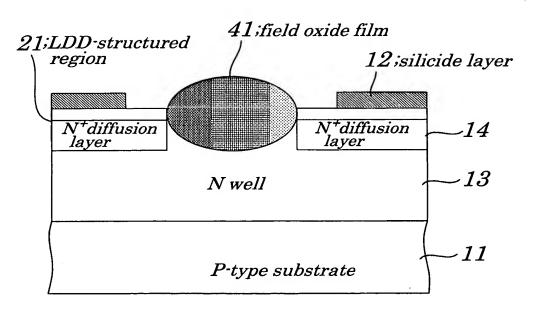


FIG.22

40; semiconductor element



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FIG.23

140; semiconductor device

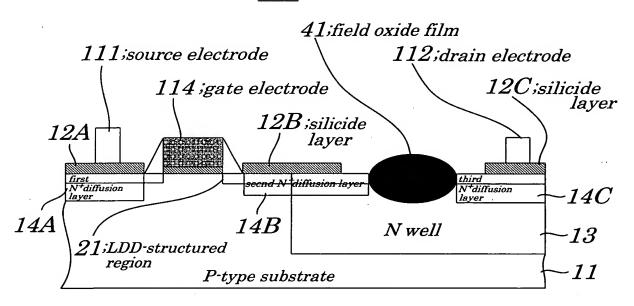
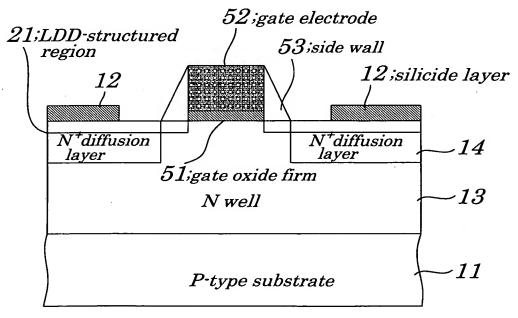


FIG.24

$\underline{50}$; semiconductor element



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FIG.25

150; semiconductor device

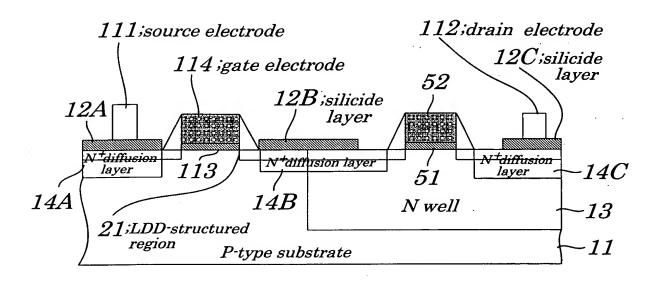
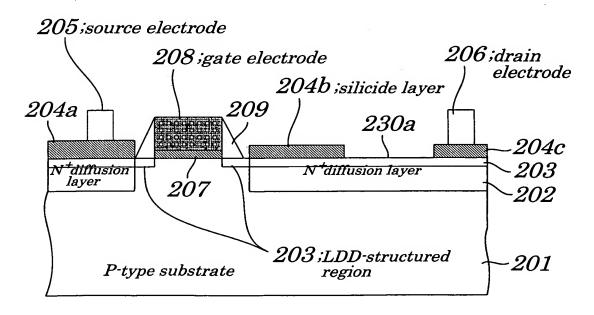


FIG.26 (PRIOR ART)

200; semiconductor device



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FIG.27 (PRIOR ART)

210; semiconductor device

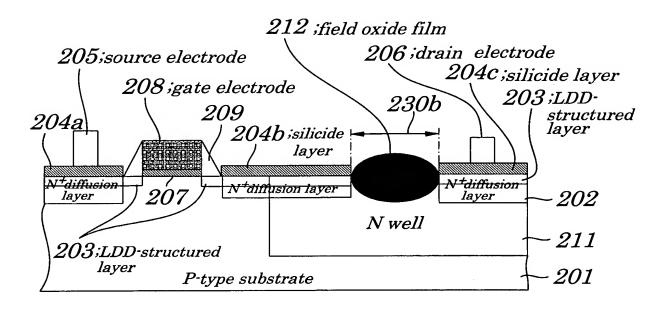
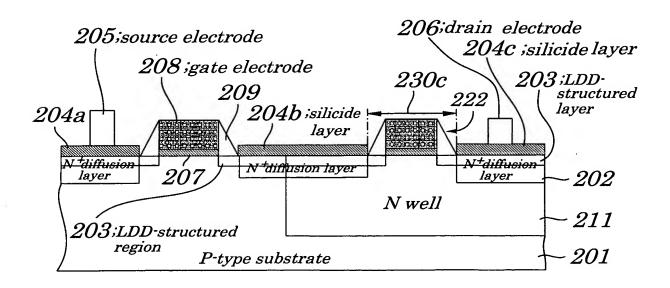


FIG.28 (PRIOR ART)

220; semiconductor device



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FIG.29A (PRIOR ART)

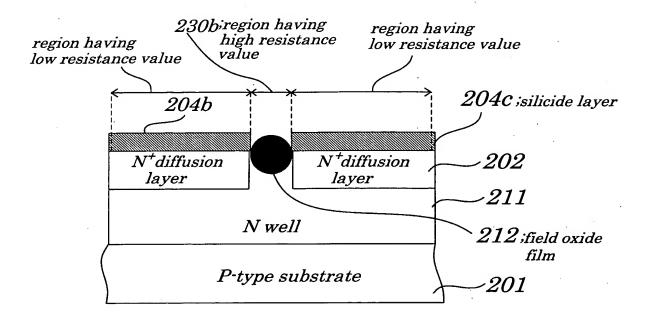


FIG.29B(PRIOR ART)

